

Education Idea Book



Icon Key

Creator



Teacher



Student



Administrator

Technique



Pencasting



Sound Stickers



Note Taking



Print on Paper



Sticky Notes

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Pencasting Technique

Overview

Pencasting is a technique that records audio while capturing everything you write or draw. A pencast is played as animated ink strokes with synchronized audio. Follow these steps to record a pencast:

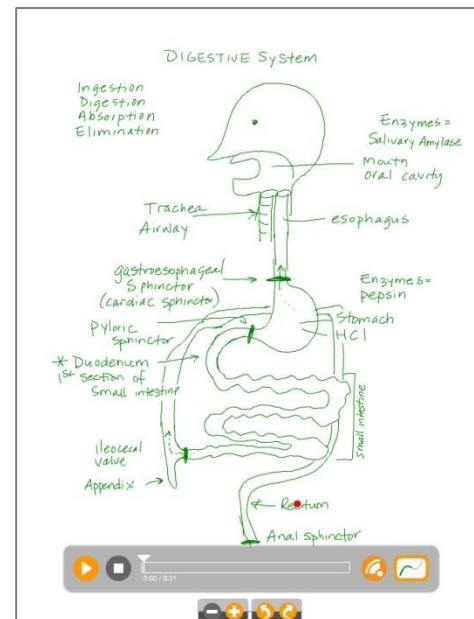
1. Tap record on your notebook paper.
2. Write and draw your notes as you speak aloud information.
3. Tap stop when you are finished.
4. Use Livescribe Connectors to share your pencasts.

Tip: Use the Livescribe 3-D Recording Headset to improve the quality of audio recordings and reduce the scratching sound the ink tip makes while writing on paper.

Sharing Methods

- Playable **Pencast PDF** files
- A **Livescribe Online** account accessed through a hyperlink or embedded HTML code on your Web site, blog, or wiki
- Connect to your **Evernote®**, **OneNote®**, **Facebook**, or **Google™ Docs or Sites** accounts to store pencast files
- **Pencast Player** app on an iPad, iPhone, or iPod Touch

Sample



<http://tinyurl.com/3g53qpf>

Creator



Technique



Instructional Lessons

Overview

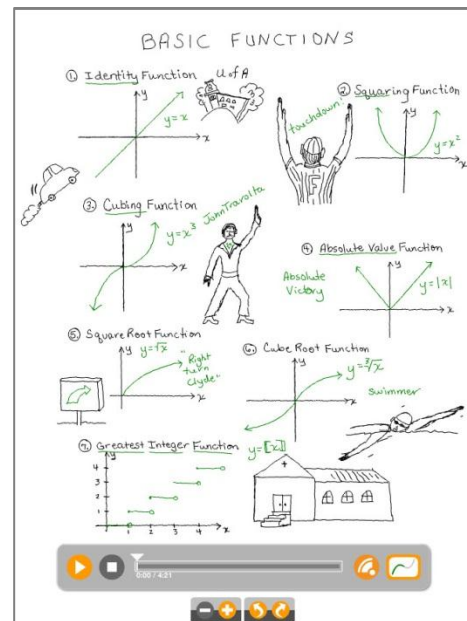
Record a lesson during or after class to capture all aspects of the content without interruption. Some educators record lessons as a way to prepare for instruction. Others like to do it after a lesson is taught so they know what questions students asked to correct misconceptions in those areas.

Teaching under a document camera with a smartpen and notebook is a way to capture a lesson during instruction. This is an efficient method since you only teach it once, but keep in mind student comments will be recorded as well.

Applications

- Post lessons to your school's Learning Management System (LMS) so students can access them for unlimited review
- Homebound students get the same access to instruction by their teacher as students in school
- In-school Suspension
- Credit Recovery
- Tutoring Sessions

Sample



<http://tinyurl.com/6fcseuw>



Creator

Technique

Flipped Classrooms

Overview

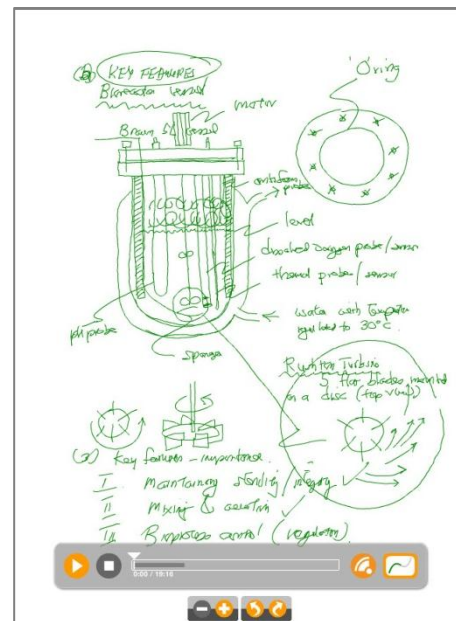
Flip your instruction so that students view pencasts of lessons for homework, and then use class time for tackling difficult problems, working in groups, researching, and collaborating.

1. Create short pencasts that are no more than 10-15 minutes.
2. Assign viewing the pencast for homework so students can watch it as many times as necessary to grasp the concepts.
3. Use class time to focus on the application of the concepts giving students access to the teacher and peers during the process.

Benefits

- Creates more time for meaningful discussions, hands-on learning, and questions
- Engages other content area experts in helping produce podcasts from varying perspectives
- Gives learners control over their own learning

Sample



<http://tinyurl.com/dcyfho>



Creator 

Technique

Pre-recorded Lessons

Overview

While absent you can provide your students with meaningful instruction delivered by you through pencasting. Just pre-record the lesson and leave it on your computer with instructions for the substitute on how to play the pencast file. Your students won't miss a beat while you are gone.

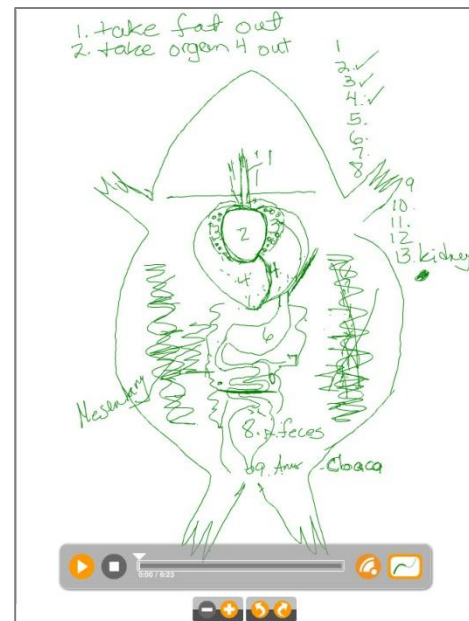
Even if you are present, consider freeing yourself up to work with students individually or in small groups while a lesson is playing for the class to follow. Watch this teacher interview to learn more <http://tinyurl.com/5rncu35>.



Applications

- Science labs – record lab directions step-by-step so you can work with students
- Display the pencast through **Livescribe Online** or a Pencast PDF projecting on an interactive whiteboard
- Use whiteboard annotation tools to make notes on the pencast as it is playing

Sample



<http://tinyurl.com/6cadgxx>



Creator



Technique



Homework Helpers

Overview

Students often ask the same questions over and over so develop a set of pencasts that answer them. Post these pencasts online so when the question comes up you just have to provide a link for students to find the answer themselves.

Students can submit their homework as a pencast file so you can tap on their work and hear their verbal reasoning while responding to that question.

Applications

- Identify common misconceptions about each topic you teach and create a series of pencasts to address the misconceptions
- Develop a set of FAQ pencasts
- Answer tech support questions with pencasts that can be stored online in a Knowledge Base


Sample

Use Synthetic Division to show that -4 is a solution to $3x^3 + 7x^2 - 22x - 8 = 0$ then finish solving the polynomial.

$$\begin{array}{r|rrrr} -4 & 3 & 7 & -22 & -8 \\ & \downarrow & -12 & +20 & +8 \\ \hline & 3 & -5 & -2 & 0 \end{array}$$

$(x+4)(3x^2 - 5x - 2) = 0$
 $(x+4)(3x+1)(x-2) = 0$

$x = -4$ $x = -1/3$ $x = 2$



<http://tinyurl.com/68zs5sc>



Creator



Technique



Student Pencasts

Overview

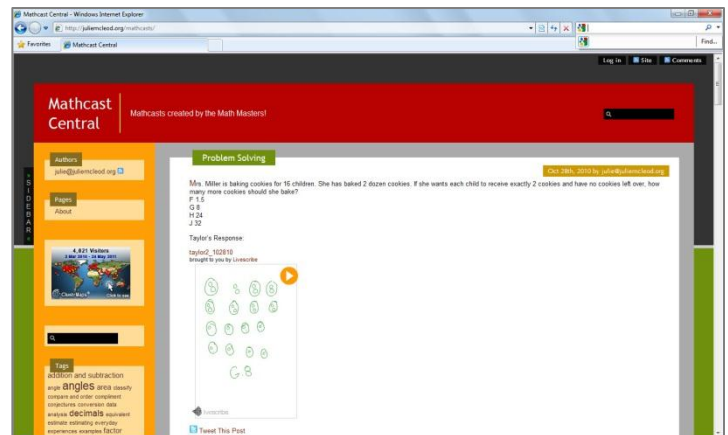
Pencasting can be used by students to produce a multimedia representation demonstrating what they learned. Julie McLeod took a practice test from the Texas TAKS standardized test and assigned each problem to a student to solve in a pencast.

She posted the pencasts to her Livescribe Online account and then used the embed feature to make the pencast appear on her web page accessible as a study resource for all students.

Applications

- Research Projects
- Book Reports
- Artistic Renderings
- Graphic Organizers
- Nonlinguistic Representations
- Oral Presentations
- Storytelling

Sample



<http://juliemcleod.org/mathcasts/>



Creator



Technique



Professional Development

Overview

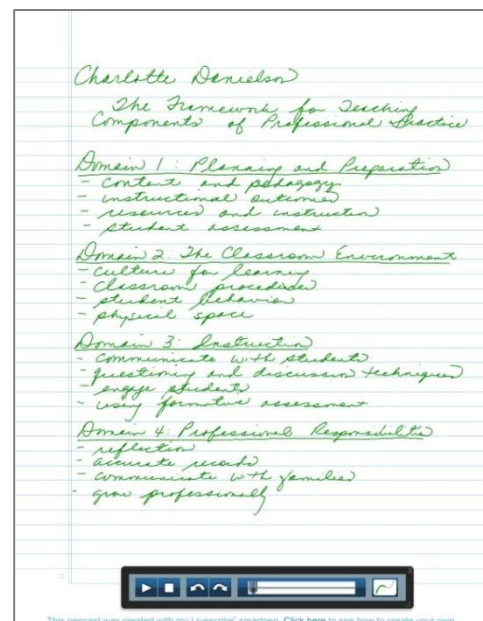
If you or your colleagues attend a professional development workshop, bring along your smartpen to take notes and record the session (with the presenter's permission of course). These notes are easily searchable in Livescribe Desktop to find what you need even months later.

Save your notes as a Pencast PDF to share with others so they can hear the session. They will love being able to quickly access information of interest by tapping on any handwritten note to hear the associated audio that was spoken at the time it was written.

Applications

- Webinars
- In-service Workshops
- State and National Conferences
- College Classes

Sample



<http://tinyurl.com/68spomo>

Creator



Technique



Mentoring Programs

Overview

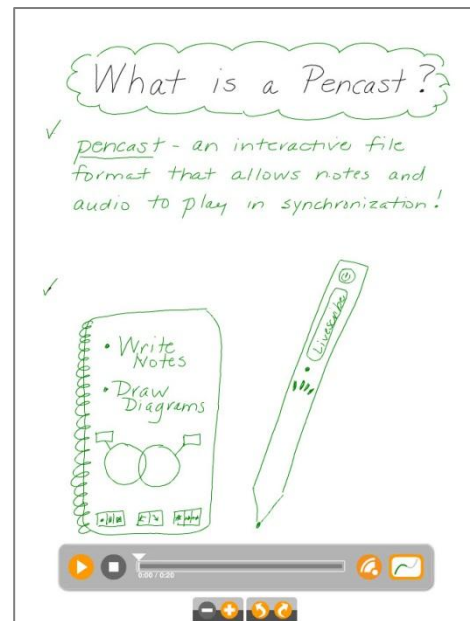
Mentors and master teachers can share best practices, lesson presentations, instructional strategies, classroom management techniques, and more through the use of pencasting to share these ideas both verbally and in writing.

This is a cost effective solution for school districts finding it difficult to get substitutes for classroom visitations or in-service programs. They can create their own repository of best practices using pencasts.

Applications

- Capture instructional lessons taught to students
- Model specific instructional techniques
- Share information about a topic through a pencast
- Create Professional Learning Communities to review best practices captured as pencasts

Sample



<http://tinyurl.com/6ku2qc9>



Creator



Technique



Meeting Notes

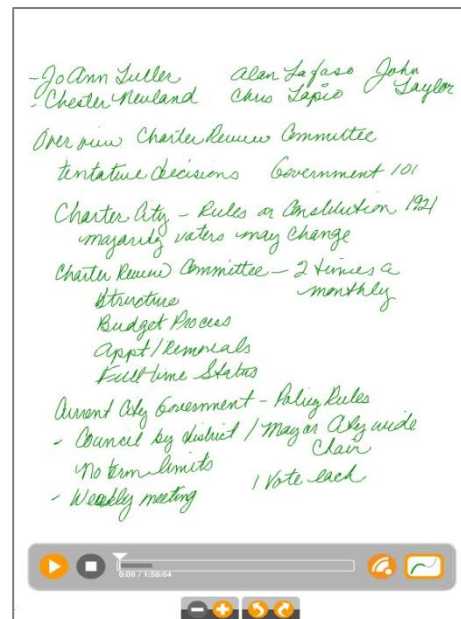
Overview

At your next meeting assign someone to be the scribe responsible for taking the meeting notes while recording. Share these notes with all attendees as a **Pencast PDF** so they can tap on any handwritten note and hear the associated audio that was spoken at the time it was written. Colleagues unable to attend the meeting will benefit as well so they can review what they missed.

Applications

- Student Clubs
- Staff Meetings
- IEP Meetings
- Parent-Teacher Conferences
- Teacher Observation Meetings
- Board of Education Meetings
- **Speech Referrals** – record a discussion with the student for the speech therapist to review and determine if an evaluation is necessary

Sample



<http://tinyurl.com/6eodqyl>

Creator



Technique



Computer Activities

Overview

Create a pencast of a learning activity that students can access independently and get feedback from by clicking on various choices. Upload the activity to your Livescribe Online account.

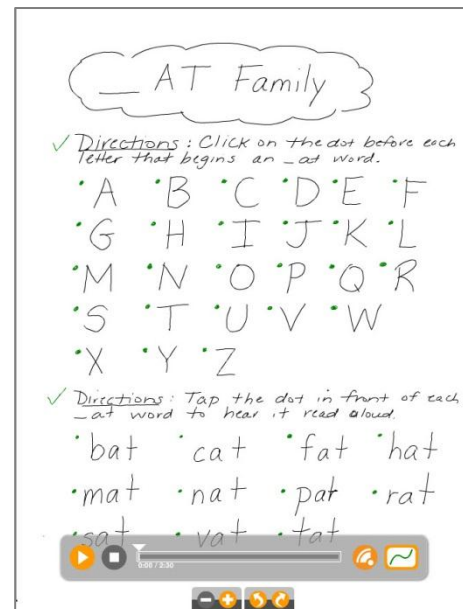
Computer Lab Access – provide a link to the web site for students to access in a computer lab

Mobile Device – access uploaded pencasts through Pencast Player on a mobile device (iPad, iPhone, or iPod Touch)

Applications

- Spelling Lists
- Vocabulary Definitions
- Word Family Activities
- Foreign Language Labs
- Speech and Language Articulation Practice
- Music Matching Activities

Sample



<http://tinyurl.com/6zph8yu>



Creator



Technique



Sound Sticker Technique

Overview

Use Livescribe Sound Stickers to add audio to any object or place you can put a sticker.

To add audio to a Sound Sticker:

1. Tap on the Record button on the Sound Sticker sheet.
2. Tap on the individual Sound Sticker.
3. Speak aloud the message you want recorded for that sticker.
4. Tap on the individual Sound Sticker again to stop.

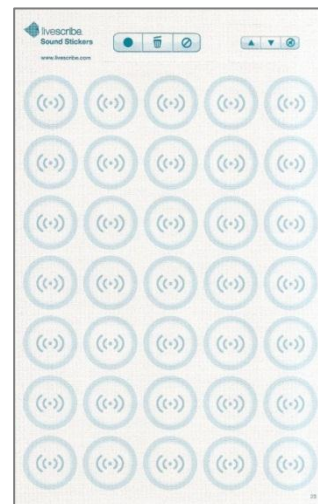
Playback controls:

1. Tap the Sound Sticker for playback.
2. Tap the Sound Sticker to pause and again to resume.

Applications

- Murals
- Posters
- Artwork
- Flash Cards
- Word Walls
- Audio Books
- Book Reviews
- Maps & Globes
- Bulletin Boards

Sample



Creator



Technique



Audio Books

Overview

Bring your classroom library to life by reading aloud stories using Sound Stickers.

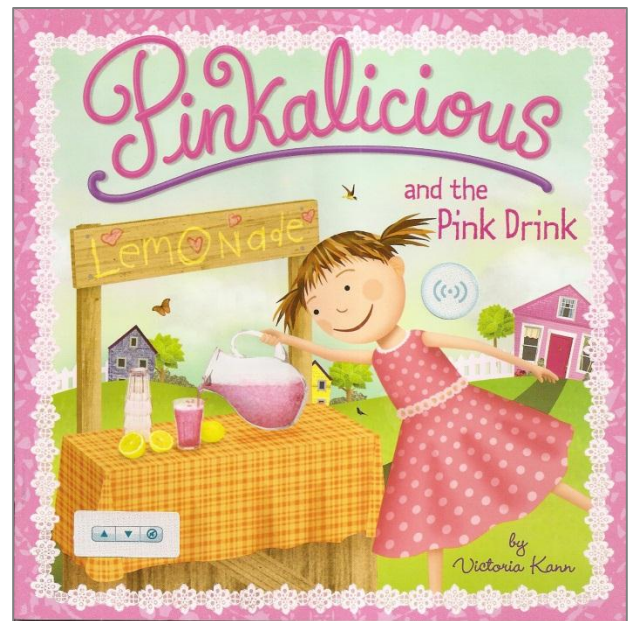
Whole Story – Put one Sound Sticker on the cover of the book and record the whole story.

Individual Pages – Place a Sound Sticker on every page of the book and record the words of the story for each page. Add extra stickers to record sounds related to the story or comprehension questions for the student to answer.

Applications

- **Child-to-Child Program:** Older students record books for younger students
- **Reluctant Readers:** Students reading below grade level get fluency practice when they read and record books for younger students
- **At-Risk Programs:** Immerse students in hearing rich language through listening to recorded books

Sample



Creator



Technique



Interactive Maps

Overview

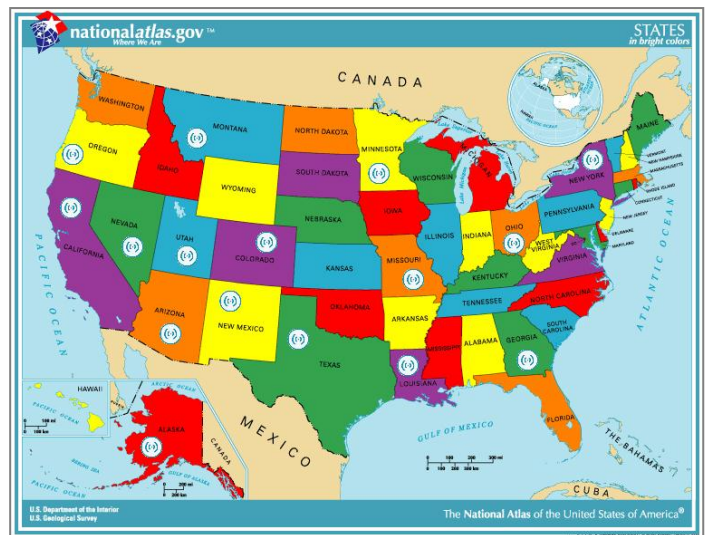
Static wall maps can become interactive learning resources by adding a Sound Sticker to the surface and recording information about the location, culture, history, economy, and other facts about the region.

Record oral presentations students make at the end of research projects about states or countries and place the Sound Sticker on a map. This also works with a globe since Sound Stickers can be placed anywhere.

Applications

- Timelines
- Story Maps
- Charts
- Diagrams

Sample



Creator



Technique



Word Wall

Overview

To aid students recall and word recognition automaticity, add audio to Word Walls so students can tap on the Sound Sticker and hear the word read aloud.

1. Create the Word Wall.
2. Record the word spoken aloud on a Sound Sticker.
3. Place the Sound Sticker next to the word on the Word Wall.
4. Store the smartpen as part of the Word Wall.

Applications

- Sight Words
- Vocabulary Definitions
- Word of the Day
- Daily Oral Language
- Popcorn Words
- Interactive Bulletin Boards

Sample



<http://tinyurl.com/5tgy7ar>



Creator



Technique



Reflective Artwork

Overview

Sound Stickers can be placed on student murals, posters, or artwork. Additional information such as a student's perspective about the work, facts, comments, or sounds that relate to the artwork can be added in recordings.

Create a back to school mural featuring pictures of each teacher with a short bio and recorded introduction. Parents will enjoy learning about the teachers in the school by tapping on the Sound Stickers across the mural.

Applications

- Place Sounds Stickers on an index card with the title and artist's name for sculptures
- Students can do sketches on dot paper and send it to the teacher as a PDF for feedback before creating the work

Sample



Creator



Technique

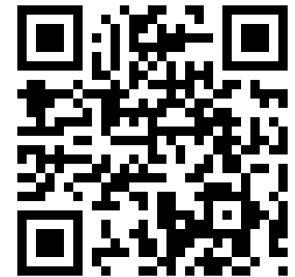


Book Reviews

Overview

Gwyneth Jones, the “Daring Librarian” from Howard County Public Schools in Maryland, has a blog post describing how to do Pencast Book Reviews. Check it out at: <http://tinyurl.com/3yc3nub>.

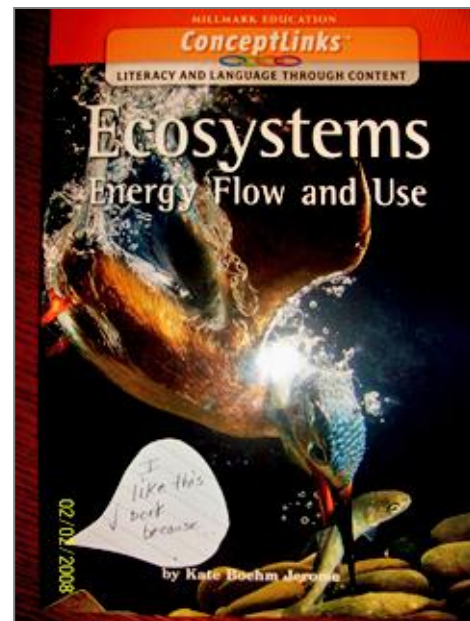
Gwyneth has been doing this for a while so think of how much easier some of her techniques can be using Sound Stickers.



Applications

- Shelf Talkers
- Talking Bookmarks
- Oral Book Reports
- Talking Comic Strips
- Reading Comprehension Responses

Sample



<http://tinyurl.com/6fa25cn>



Creator



Technique



Project-Based Learning

Overview

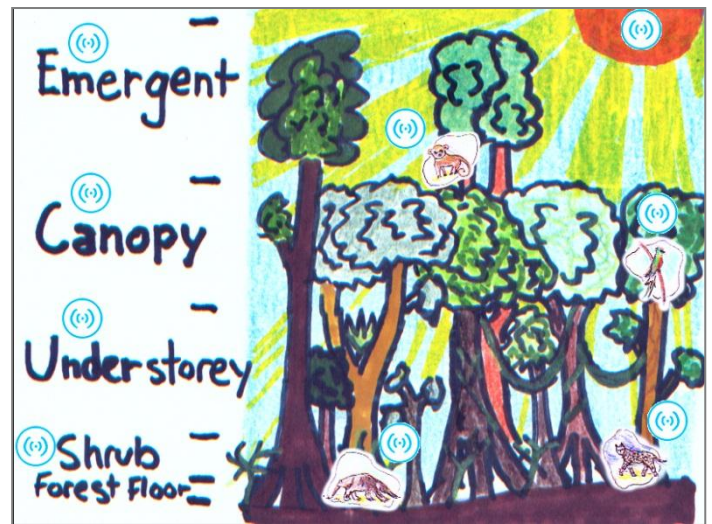
In project-based learning, the project is the main vehicle for teaching content and skills. Use Sounds Stickers on a project to:

1. Identify the **driving question** that captures the issue and creates a **need** for students to know more about the topic.
2. Capture the **critical thinking, collaboration, and communication** skills students used during the **inquiry** and **innovation** process.
3. Provide plenty of **feedback** for students to make **revisions** before their **presentation**.
4. Gives students **voice** and **control** over their work.

Applications

- Murals
- Artwork
- Posters
- Comic Strips
- Brochures

Sample



<http://tinyurl.com/6xrmrrs>



Creator



Technique



Auditory Flash Cards

Overview

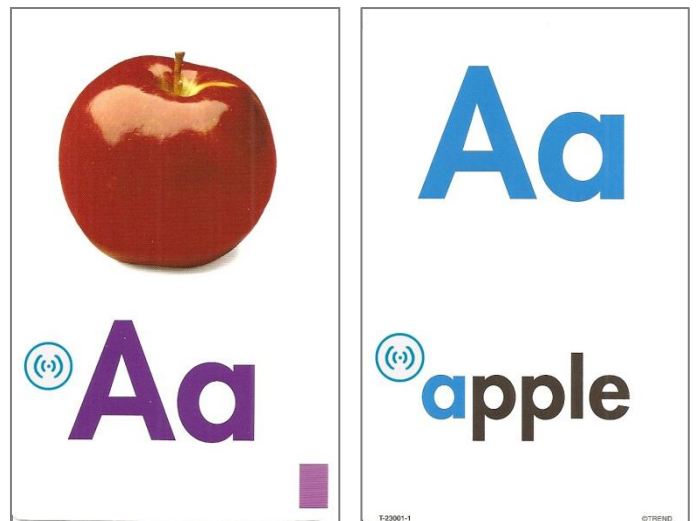
Sound Stickers can be used to record cues on flash cards. For vocabulary cards, use Sound Stickers to give the audio clue for the vocabulary word and read the definition to the student. The set can be placed on an O-ring for students to use in a center activity or they can be taken home with the smartpen.

For second language learners, Sound Stickers with word recordings can be placed on flash cards or objects around the classroom. Students can view the card/object, recall and speak its name in the target language, and then tap the Sound Sticker to see if they are correct.

Applications

- **Bilingual Cards** – Record information in two languages
- Alphabet Letters
- Spelling Words
- Sight Words
- Vocabulary
- Math Facts

Sample



<http://tinyurl.com/68fzbuh>



Creator



Technique



Tactile Markers

Overview

Using tactile markers, or an APH “tong” tool, bumps can be added to an object or a piece of paper with a Sound Sticker next to the marker or bump. Visually impaired students can then locate the marker or bump with their fingers and use the smartpen to tap on the Sound Sticker and hear a message.

Applications

- View a video that shows the **Livescribe Talking Braille Periodic Table**

<http://tinyurl.com/3djrvdv>



Sample



<http://tinyurl.com/3jbzasw>



Creator



Technique



Behavior Charts

Overview

Place Sound Stickers on a behavior modification chart that a student can listen to as a reward for exhibiting desired behaviors. The Sound Sticker could play their favorite song, a message from their parents, a story, or other incentive to motivate the student.

Have a dedicated smartpen for the behavior stickers that students are allowed to get from a designated location when they achieve their behavior modification goals.

Applications

- Class Rewards
- Music Notebooks
- Storyboards
- Joke Book

Sample

Reward Songs	
Mary Had a Little Lamb  	Twinkle Twinkle Little Star  
Bear Went Over the Mountain  	Wheels on the Bus  


Creator 

Technique 

Direction Dots

Overview

Record directions for how to connect equipment, use a reference book in the library, access a computer program, or anything else onto a Livescribe Sound Sticker. Let users tap with a smartpen to hear the directions as many times as needed. Direction can be changed daily if necessary by deleting the audio and re-recording using the steps below:

1. Tap the Delete button. 
2. Tap the Sound Sticker you wish to delete.
3. Tap the Sound Sticker again to confirm.
4. Record again on that Sound Sticker.

Applications

- **Center Activities** – Use the same Sound Sticker each day to record the directions for center activities so students know where to tap to get the directions.
- You can write on a Sound Sticker and it will still play back audio. In the diagram to the right each dot has a letter so the user knows where to connect the cord.

Sample



Creator 

Technique 

Note Taking Technique

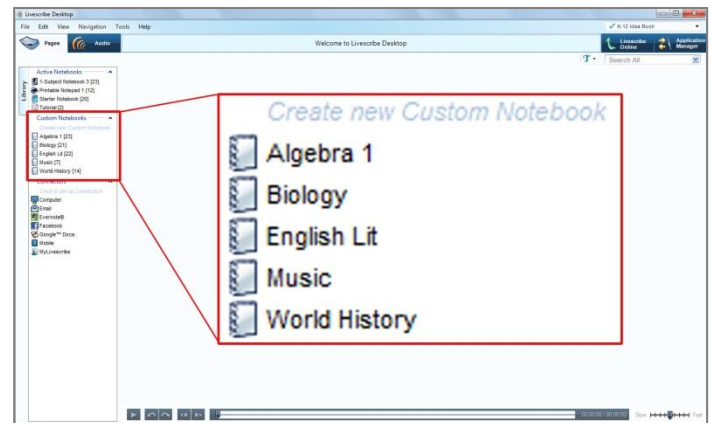
Overview

Effective note taking requires good participation and observation in class. Writing in class is a physical activity that expresses mental involvement. Listen for levels of ideas and important information. Make good choices about what to write down while compiling materials to review. Use techniques that align with your learning preferences so you create a valuable resource for studying.

Tips

- Store an extra ink tip with your smartpen in case it runs out in the middle of class
- Make sure you have enough pages in your Livescribe notebook to make it through the day or bring an extra
- Use custom notebooks in Livescribe Desktop to organize your notes from each class

Sample



1. Click on the “**Create new Custom Notebook**” link.
2. Type a **name** for the notebook.
3. Click on the **OK** button.
4. **Click and drag** notebook pages over the custom notebook and drop them when the notebook is highlighted blue.

Creator



Technique



Cornell System

Overview

One effective note-taking method is *The Cornell System*, which was designed by Walter Pauk from Cornell University.

Note-taking Area – the space where you record notes during instruction.

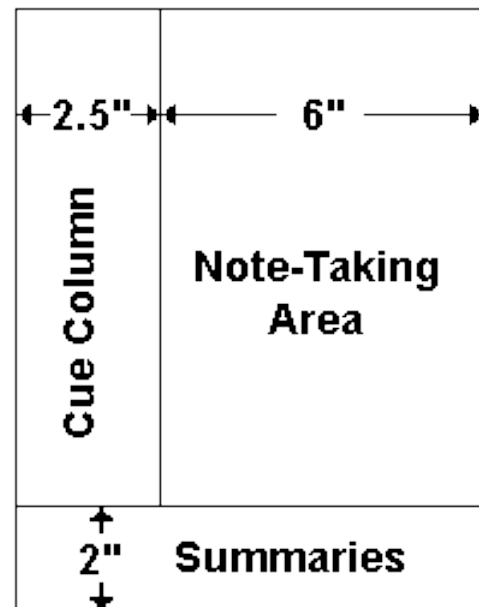
Cue Column – write in this area while reviewing notes in the form of questions that the notes answer.

Summaries – a short review of the important material on the page written in your own words.

Applications

- **Note-taking:** emphasis should be on the key ideas rather than on the actual words used to convey those ideas
- **Cues:** clarify meaning, reveal relationships, establish continuity, strengthen memory, predict test items
- **Summaries:** allow you to see how it all fits together

Sample



Creator



Technique



Outlines

Overview

An outline presents main ideas and important details as sub points in an organizational pattern based on space indentation. The main ideas take roman numerals. Sub-points under each main idea take capital letters and are indented. Sub-points under the capital letters, if any, take italic numbers and are further indented.

You don't have to use roman numerals, letters, and numbers – try using indents, dashes, and bullets.

Applications

- Prewriting Activity
- Research Project Notes
- Story Plots
- Literary Scripts
- Theater Productions

Sample

TOPIC	
I.	MAIN IDEA
a.	Subsidiary idea or supporting idea to I
b.	Subsidiary idea or supporting idea to I
i.	Subsidiary idea to B
c.	Subsidiary idea or supporting idea to I
II.	MAIN IDEA
a.	Subsidiary idea or supporting idea to II
i.	Subsidiary idea to A
ii.	Subsidiary idea to A
b.	Subsidiary idea or supporting idea to II
i.	Subsidiary idea to B
c.	Subsidiary idea or supporting idea to II
III.	MAIN IDEA
a.	Subsidiary idea or supporting idea to III
b.	Subsidiary idea or supporting idea to III
i.	Subsidiary idea to B
c.	Subsidiary idea or supporting idea to III
i.	Subsidiary idea to C
ii.	Subsidiary idea to C

Creator



Technique



Mapping

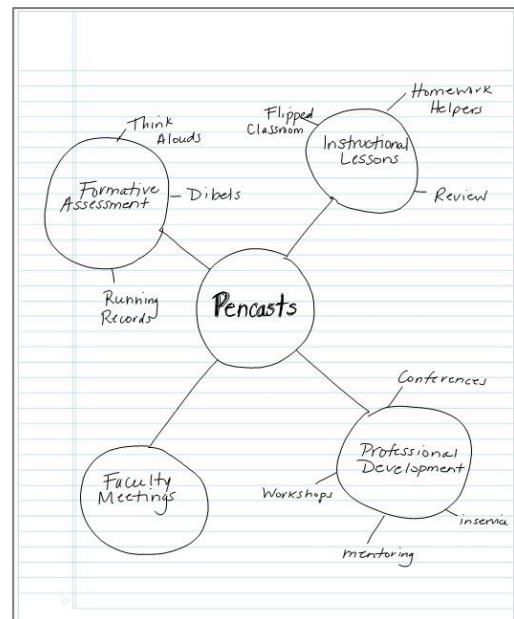
Overview

Mapping is a visual system of condensing material to show relationships and importance. A map is a diagram of the major points, with their significant sub-points, that support a topic. The purpose of mapping as an organizing strategy is to improve memory by grouping material in a highly visual way.

Applications

- Concept Webs
- Thinking Maps
- Graphic Organizers
- T Charts
- Fishbone Diagrams
- KWL Charts
- Mind Maps
- Venn Diagrams

Sample



Creator



Technique



Key Word Strategy

Overview

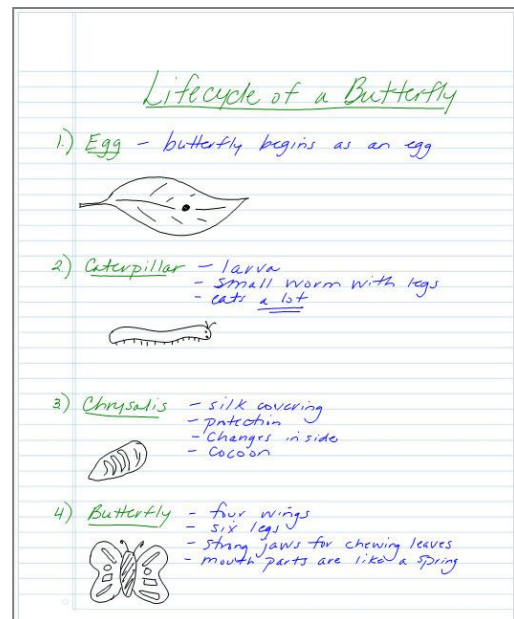
When taking notes with the Livescribe smartpen the audio is available for review along with whatever is written on the page. Therefore, students can capture the key words or main ideas and then use the techniques for annotating notes on the next page to add more information to their written notes.

When capturing key words be sure to leave room between each main idea so that additional notes can be layered in during review.

Applications

- Key words can trigger an association with many ideas so pick the term that will trigger an idea in your brain
- Technical Terms
- Words of Degree (i.e. most, least, faster, etc.)
- Pictures and Diagrams

Sample



(See color coding explanation on next page)

Creator



Technique



Annotating Notes

Overview

Leave space in your notes so that during paper replay you can add additional information such as clarifying points and questions using these methods.

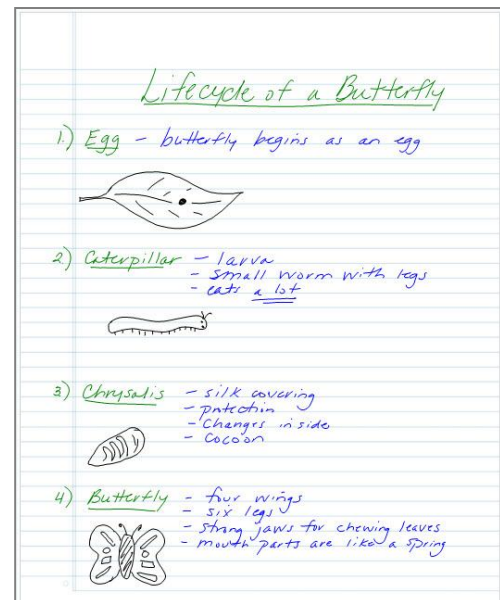
Pause – After hearing something important tap the Pause button and write additional information. The new notes will not be linked to audio.

Replay – While listening to something important write additional information. The notes will be linked to audio since they were written while the smartpen was playing.

Livescribe Desktop Ink Colors

- Go to the Tools Menu > Livescribe Desktop Settings > Page View
- **Active Ink:** Captured handwritten notes with audio
- **Inactive Ink:** Captured handwritten notes without audio
- **Annotated Notes:** Handwritten notes added during playback

Sample



Green = active ink

Black = inactive ink

Blue = annotated notes

Creator



Technique



Group Notes

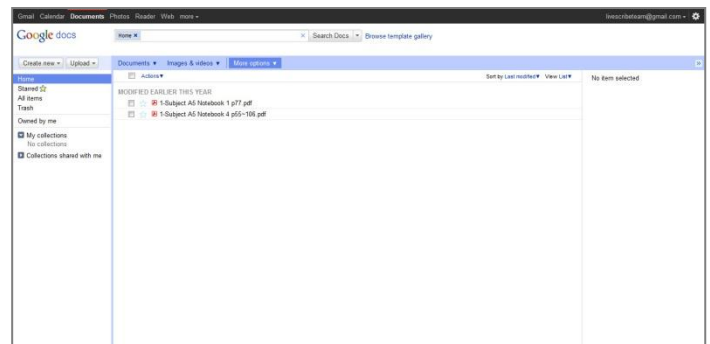
Overview

Allow students to form note taking groups where they share the responsibility of taking notes in class. The assigned note taker can focus on taking notes without the pressure to fully participate in class activities. Other group members can focus on active participation, discussions, and questioning without the added pressure of taking notes.

Applications

- Share notes in a group **Google Docs** account
- Email a **Pencast PDF** of the notes to all group members
- Post the notes to **Livescribe Online** and send the group members a link to the pencast

Sample



Google docs

Creator



Technique



Scribe Programs

Overview

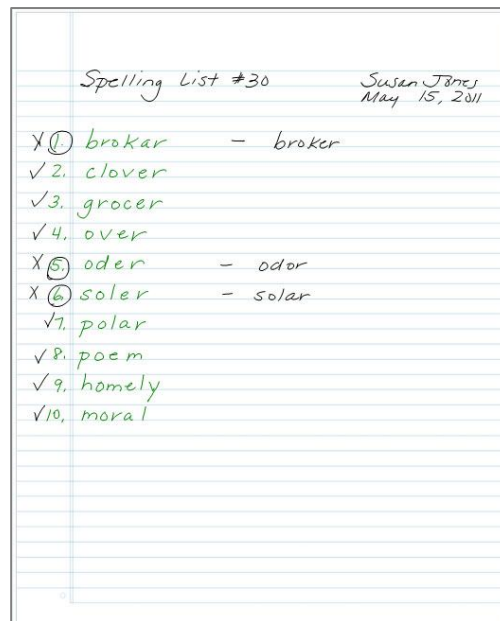
Some students are given a scribe as one of the accommodations in their Individualized Education Plan (IEP). A scribe is someone who writes down every word the child dictates.

A scribe can use the smartpen to record the student's dictation as well as the written text that is captured for the student. In some cases a student can be given a smartpen and not need a scribe since they can verbally express their thoughts with minimal writing on the page.

Applications

- Create a custom notebook in Livescribe Desktop to store all of the student's work captured by the scribe

Sample



Creator



Technique



Formative Assessment

Overview

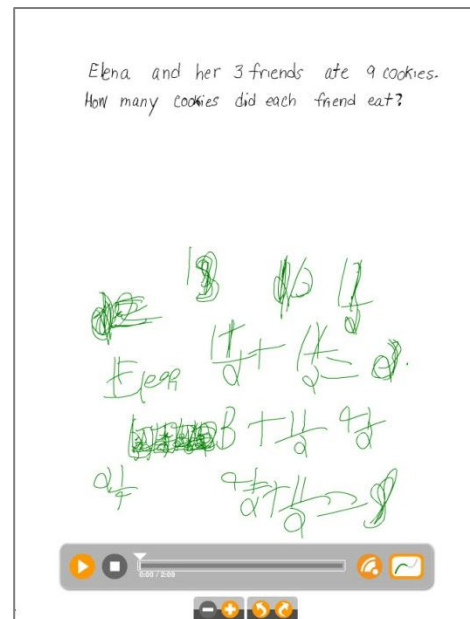
Gathering feedback during learning activities is easily accomplished when students verbally describe their thoughts in a think aloud while working through a problem with a Livescribe smartpen.

As the smartpen captures the written work, it synchs it to whatever is being recorded giving you access to a student's thought process to determine gaps in their understanding. Teachers can use this information to adapt instruction to meet the learner's needs.

Applications

- Create a digital portfolio of each student's work by creating a custom notebook in Livescribe Desktop
- Math Think Alouds
- Narrative Retellings
- Literature Circles
- Guided Reading Groups

Sample



<http://tinyurl.com/62jr3hv>

Creator



Technique



Teacher Feedback

Overview

In a study that compared oral vs. typed feedback teachers provided 2½ times more information (measured in word count) when speaking than typing. Create feedback resources so you can give students a feedback code on their work using some of these ideas.

Online Feedback – Create a pencast with the code and oral feedback that students can access through Livescribe Online or an uploaded pencast.

Bulletin Boards – Create a poster or bulletin board with the codes on Sound Stickers so students can tap the sticker for feedback.

Feedback Notebook – Place the notebook pages filled with the codes and feedback in a binder using page protectors.

Research Link

Using Asynchronous Audio Feedback to Enhance Teaching Presence and Students' Sense of Community

<http://tinyurl.com/4y7gbzx>



Sample

Writers Workshop Feedback					
Ideas			Voice		
D1	D2	D3	V1	V2	V3
D4					
Organization			Conventions		
O1	O2	O3	C1	C2	C3
O4	O5	O6	C4		
Sentence Fluency			Word Choice		
S1	S2	S3	W1	W2	W3
			W4	W5	

Creator



Technique



Music Therapy

Overview

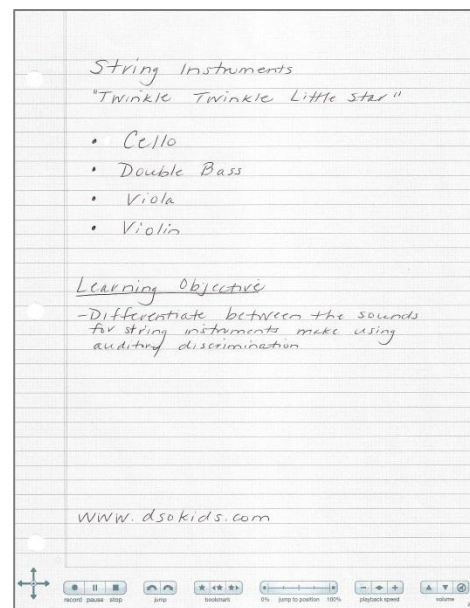
Music therapists record music in Livescribe notebooks or notepads and use their smartpen and notebook in therapy sessions rather than sound equipment since it is more portable. Students can also access the music files using the smartpen which can create a way to engage that student and open lines of communication.

Traveling music teachers also find it useful to record the music they need for each lesson on a notebook page with their lesson plan giving them quick and easy access to resources needed for each phase of the lesson.

Applications

- Create a matching assessment by asking students to match the composer on the bottom with the musical composition recorded on top

Sample



<http://tinyurl.com/65qea2a>



Creator



Technique



Dynamic Dictionary

Overview


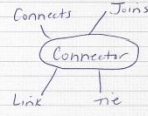
Students write unfamiliar words in a notebook designated as their “Dictionary” and then conduct research to find their meanings. To reinforce their understanding of the words they can also:

- Write keywords associated with the word.
- Draw a visual representation of the word.
- Record the pronunciation of the word.
- Use the word in a written sentence.
- Restate the word’s meaning in their own words.

Applications

- Science Words
- Thematic Units
- Literature Circles
- Geography Terms
- Foreign Language Dictionary
- Thesaurus

Sample

Word	Connector	Pronunciation	✓
Dictionary Definition			
A device that joins two pieces of equipment, wire, or piping together. (noun)			
Define in My Own Words			
Something that connects two things together.			
Sentence			
The sink uses a connector to fix it to the pipe for water.			
Visual Representation		Concept Map	
			

Creator



Technique



Print on Paper Technique

Overview

You can print on Livescribe dot paper using either of these methods.

Notebook Pages – Single-subject notebooks are the perfect size to feed through a printer since the perforated sheet is 8.5 x 11.

Printable Notepads – Dot paper notepads can be printed from Livescribe Desktop (Tools Menu > Printable Notepads) using a Color LaserJet Printer that is Adobe PostScript compatible and can print at 600dpi or higher. After printing the notepad feed the pages back through the printer to print the document on top of the dot paper.

Applications

- Worksheets
- Graphic Organizers
- Assessment Forms
- Student Agendas
- PowerPoint Presentations

Sample

Chair

Interaction Directed to Entire Class

7 +	✓	7 + ? +	7 + ? +	7 + ? +	
? +		7 + ? +	7 + ? +	7 + ? +	
Bill	B	Orin	B	Bob	B

7 + ? +	7 + ? +	7 + ? +			
Sue	G	Linda	G	Joan	G

7 + ? +	7 + ? +	7 + ? +			
Jean	G	Chris	B	Joshua	B

7 + ? +	7 + ? +	7 + ? +			
Clint	B	Camran	G	Lila	G

Creator



Technique



Reading Fluency Exercise

Overview

To create a read-along exercise:

1. Print a reading passage on dot paper.
2. Tap the Record button.
3. Write a check mark next to the paragraph.
4. Read the paragraph at a normal pace.
5. Tap the Stop button.

Research Says It Works...

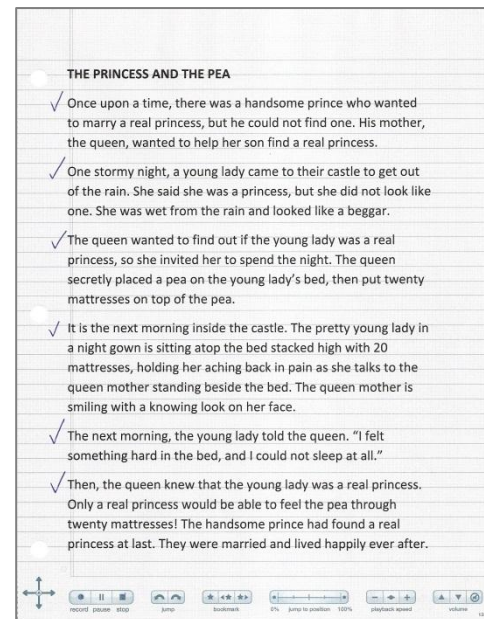
Shaney, M. T., & Biemiller, A. (1995). Assisted reading practice: Effects on performance for poor readers in Grades 3 and 4. *Reading Research Quarterly*, 30(3), 382-395.

Students tap the check mark to begin audio playback and read along with the speaker. If necessary, decrease or increase playback speed.

Playback Speed

- Every tap of the slow-down button decreases the playback speed by 10%
- Tapping it five times decreases the playback speed to a minimum of 50%
- Every tap of the speed-up button increases the playback speed by 20%
- Tapping it five times increases the playback speed to a maximum of 200%

Sample



Creator



Technique



Fluency Assessments

Overview

Assessment forms can be printed on dot paper so that the student's actual reading of the passage is captured along with the written notations on the form. This provides a means of checking the response accuracy and allows student participation in self-monitoring their reading fluency.

Use paper replay controls to listen to the recording as many times as needed to make an accurate diagnosis. Jump to a specific location by tapping on written notations and using the jump button. Reduce the playback speed to listen to the details for articulation and phonemic accuracy.

Applications

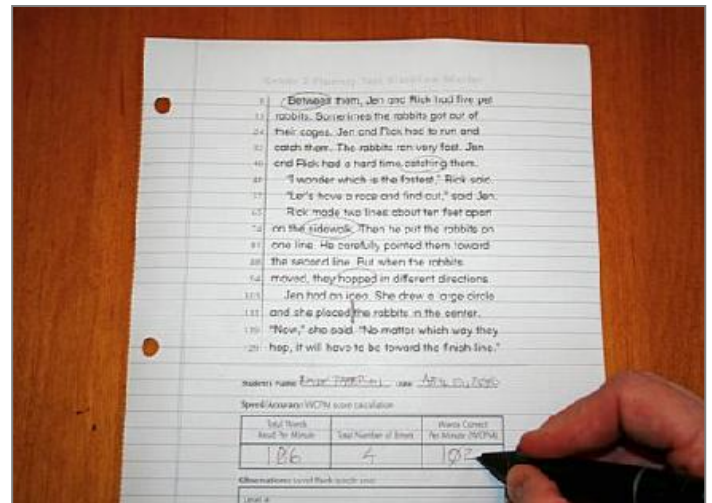
- DIBELS
- Running Records
- Instrumental Music Evaluations

Oral Language Analysis Targeting Narrative Retell Skills

<http://tinyurl.com/68dmsgc>



Sample



<http://tinyurl.com/6cf2yfm>



Creator



Technique



Talking Tests

Overview

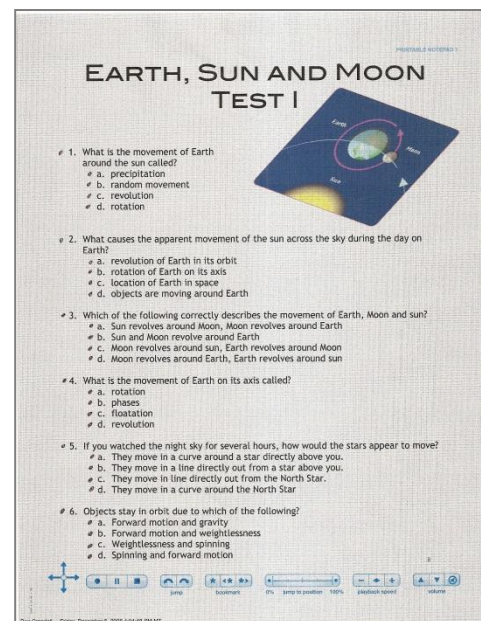
At times a student's IEP will call for test questions to be read aloud to the student. The IEP may also call for the student to be allowed the accommodation of responding verbally to questions. Create a Talking Test so it can be used with multiple students at different times. Use dot paper to record the student's responses if necessary.

1. Print the test on dot paper.
2. Tap the Record button and make a mark before the statement.
3. Speak aloud the question or answer choice.
4. Tap the Stop button and repeat for each question.

Applications

- Place the test in a page protector and use the stylus tip to preserve it
- Record spelling tests during delivery for absent students to take when they return
 1. Tap Record
 2. Write the question #
 3. Say the word and sentence aloud
 4. Tap Stop
 5. Repeat for each question

Sample



Creator



Technique



Audio Study Guides

Overview

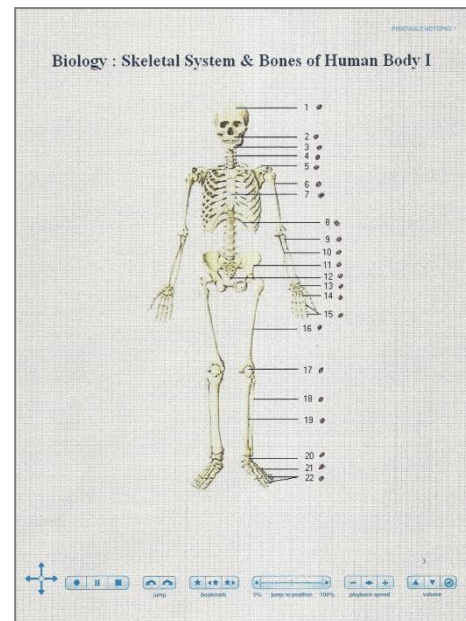
Images or worksheets can be printed on dot paper for students to create their own study guides by following teacher prompts or independently with the appropriate resources.

1. Inform students which topic is next during instruction.
2. Prompt students to tap Record and make a mark next to the topic.
(Bullet point, check mark, star, etc.)
3. Provide details about that topic.
4. Prompt students to tap Stop.
5. Repeat for each topic.

Applications

- Unit, mid-term or final test preparation guides
- Print topical outlines on dot paper and have students tap record and place a mark next to each topic as it is discussed
- Print PowerPoint slides on dot paper so students can add notes and audio to each slide as it is reviewed

Sample



<http://tinyurl.com/5saoizy>



Creator



Technique



Learning Center Activities

Overview

Create independent students that have everything they need to work in centers without your help. Use your Livescribe smartpen to record directions, information, and more. Leave the smartpen at the center so students can tap on the activity and hear the messages you left for them.

Members of cooperative learning groups can record their interactions with the smartpen to hold them accountable for being an active group participant. They can capture their individual contributions by tapping record, writing their name, and sharing verbally with the group.

Applications

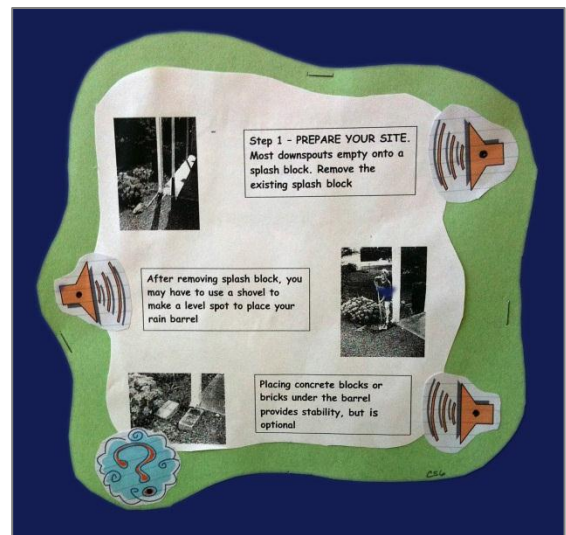
- If more than one student needs to hear the smartpen at a time try the Belkin RockStar 5-Way Headphone Splitter pictured below



<http://tinyurl.com/3mj8krm>



Sample



<http://tinyurl.com/6ghuiipo>



Creator



Technique



Articulation Therapy

Overview

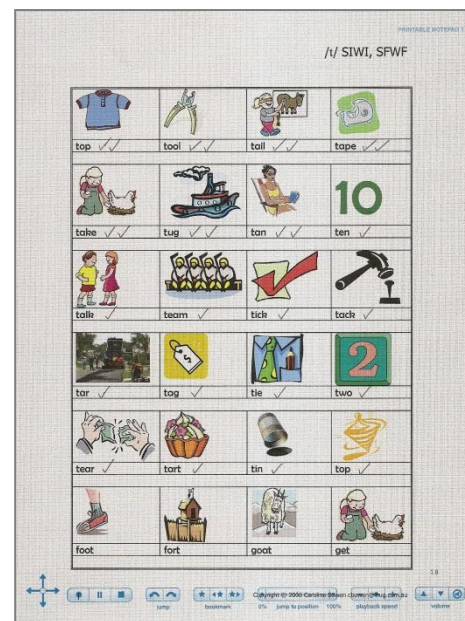
Model proper pronunciation by recording the articulation of words so students can tap on the model and replay it as many times as they need to hear it.

When students practice their articulation skills have them make a check mark next to the word each time they say it aloud. This gives you the ability to capture their work and monitor their progress with documented growth.

Applications

- Articulation Practice Sheets
- Language Development Sheets
- Create Customized Communication Boards
- Bring recorded conversations of a student to referral meetings to document suspected speech difficulties for the team to review

Sample



<http://tinyurl.com/5ueder2>



Creator



Technique



AAC Devices

Overview

Augmentative and alternative communication devices take on many shapes and forms depending on the needs of each learner. The Livescribe smartpen can be used as an aided AAC device to communicate messages using symbols, drawings, pictures, words, or phrases.

The symbols can be printed on dot paper and the teacher can create hotspots to trigger playback. Flip Notepads are the perfect size for students to carry around with a smartpen and can be filled with important information for the student to communicate to others.

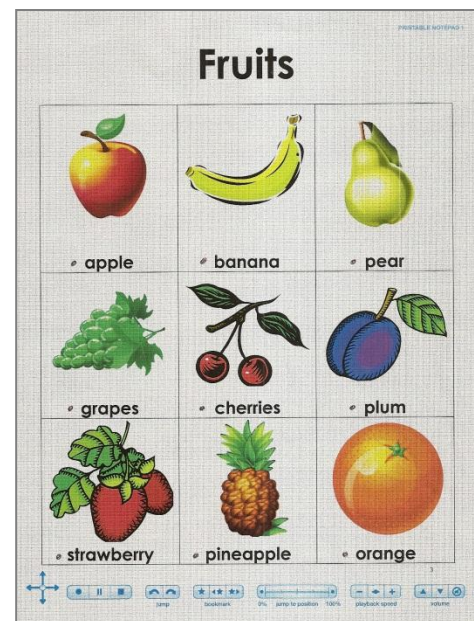
Make Hotspots

- Tap notes to start paper replay
- Tap the Pause button
- Draw a larger circle with the ink or stylus tip without lifting the smartpen until done
- Tap anywhere on the enlarged area for playback

<http://tinyurl.com/3mggh2d>



Sample



Creator



Technique



Student Agendas

Overview

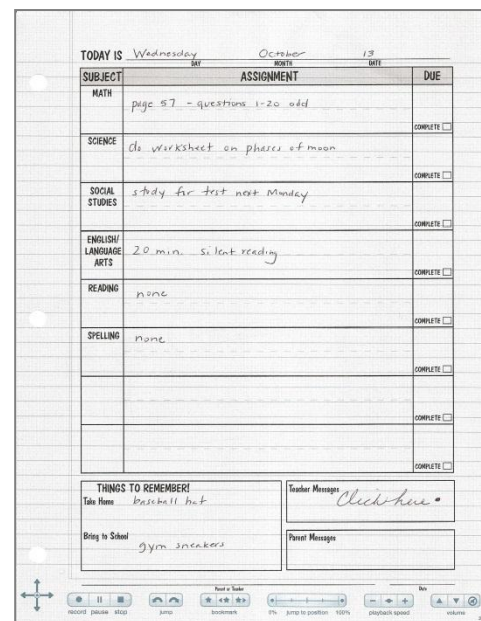
Print student agendas on dot paper so students can record the teacher's explanation of each homework assignment with their smartpen and play it at home for clarification.

Parent-Teacher Penmail – Teachers can record messages to parents on the smartpen that are written in the agenda in a specific location. Parents can respond the same way. If necessary, messages can be recorded in the student's home language.

Applications

- Record directions about homework assignments and link them to the homework calendar posted in your Learning Management System (LMS)

Sample



The sample agenda is a form on dot paper. At the top, it says 'TODAY IS Wednesday, October 13'. Below this is a table with three columns: 'SUBJECT', 'ASSIGNMENT', and 'DUE'. The rows are for Math, Science, Social Studies, English/Language Arts, Reading, and Spelling. Each row has a 'COMPLETED' checkbox. Below the table are sections for 'THINGS TO REMEMBER!' (with 'Take Home' and 'Bring to School' sub-sections), 'Teacher Messages', and 'Parent Messages'. At the bottom, there is a navigation bar with icons for record, pause, stop, jump, bookmark, and playback speed.

SUBJECT	ASSIGNMENT	DUE
MATH	page 57 - questions 1-20 odd	COMPLETED <input type="checkbox"/>
SCIENCE	do worksheet on phases of moon	COMPLETED <input type="checkbox"/>
SOCIAL STUDIES	study for test next Monday	COMPLETED <input type="checkbox"/>
ENGLISH/ LANGUAGE ARTS	20 min. silent reading	COMPLETED <input type="checkbox"/>
READING	none	COMPLETED <input type="checkbox"/>
SPELLING	none	COMPLETED <input type="checkbox"/>
		COMPLETED <input type="checkbox"/>
		COMPLETED <input type="checkbox"/>

THINGS TO REMEMBER!
Take Home: baseball bat
Bring to School: gym sneakers

Teacher Messages: Click here
Parent Messages:

Creator



Technique



Classroom Observations

Overview

Print classroom observation or walkthrough forms on dot paper so you can record your observations with notes and audio. This anecdotal evidence can be used during post observation meetings to show teachers specific techniques they do well and areas in need of improvement.

Many administrators find the smartpen less intrusive than typing on a laptop in a classroom. Teachers find listening to a recording of a lesson they taught a valuable technique for self-reflection.

Applications

- Classroom Walkthroughs
- **Peer-to-Peer Self Discovery** –
The supervising teacher records segments of a teacher's lesson along with their verbal commentary and then leaves the smartpen with the teacher to go through a self-discovery process by listening to the recording and reading the notes

Sample

Creator



Technique



Substitute Lesson Plans

Overview

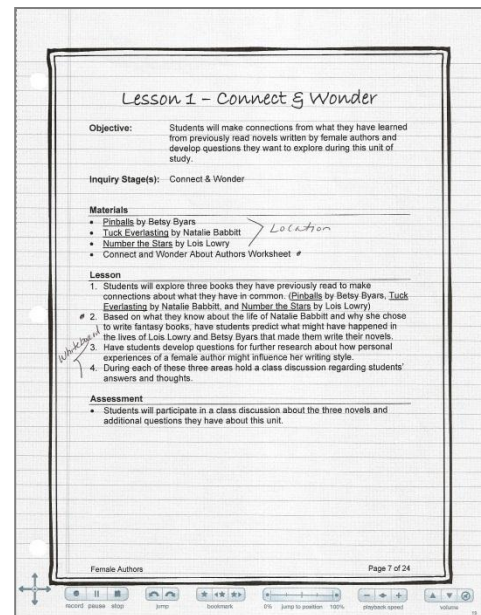
It is often a time consuming process for a teacher to leave detailed written notes for a substitute teacher. It's a lot easier to write a few key points and record all of the details verbally about lesson plans, where resources are located, and descriptions of classroom procedures.

Print your lesson plan template on dot paper. Record information with your written notes and leave your smartpen with the lesson plan so the substitute can tap and play.

Applications

- Substitute plans and lessons can be emailed as a **Pencast PDF** for unplanned absences
- Record pencasts of lessons for the substitute to play for students in your absence (see page 8 for ideas)

Sample



<http://tinyurl.com/67tfxb5>

Creator



Technique



ESL/ELL/TESOL

Overview

The Livescribe smartpen is an effective tool to use with English Language Learners in a variety of ways.

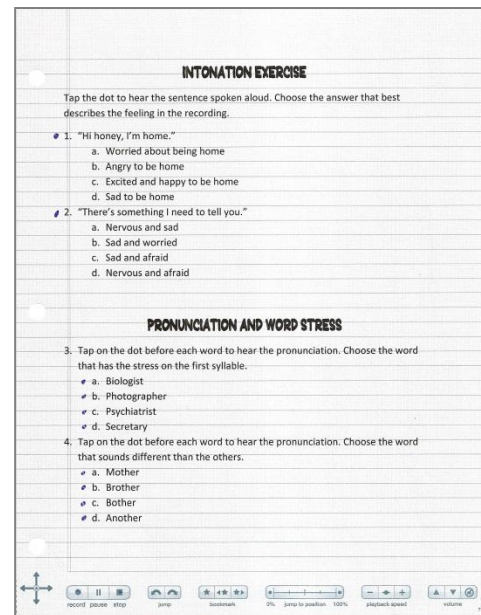
Pencasting – ELL learners benefit from listening to instructional pencasts at a reduced playback speed for better processing.

Sound Stickers – Labeled objects with the word recorded on a Sound Sticker is an effective way to help ELL learners build their vocabulary.

Applications

- **Note Taking** – Using a smartpen during class to take notes allows ELL learners the opportunity to play back lessons for review as many times as needed for full comprehension
- **Print on Paper** – Exercises can be printed on dot paper with added audio to help learners identify word stress and intonation

Sample



Creator



Technique



Sticky Notes Technique

Overview

With Livescribe Sticky Notes you can keep dot paper within your reach. Quickly capture short notes, lists, and reminders while adding audio to them. You can attach Sticky Notes to any printout, magazine, or book page to add personalized interactive notes. Like other Livescribe dot paper products, you can transfer your Sticky Notes to your computer to organize, search, or share with others.

Sticky Notes are perfect for any print resource that you do not want to place a permanent label on but want to attach audio notes.

Applications

- To Do Lists
- Directions
- Scavenger Hunts
- Brainstorm Sessions
- Research Notes
- Quick Notes During Classroom Walkthroughs

Sample



Creator



Technique



Textbook Tags

Overview

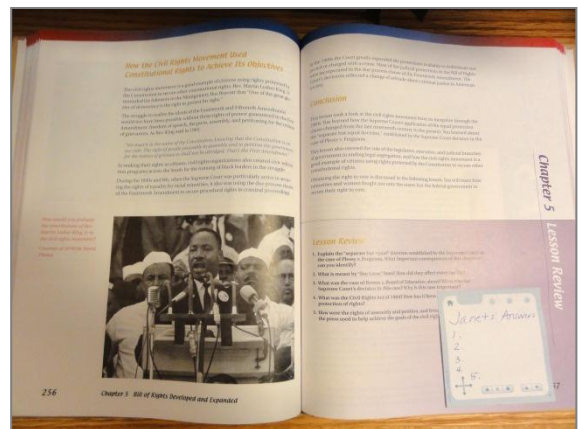
Students do not ordinarily write in textbooks so Sticky Notes are a great solution to allow them to record notes and answers to problems without making a mark on the book.

Students only need to write their name or short phrase on the Sticky Note. Then they can record their thoughts, questions, answers, and reflections as they speak aloud into the smartpen. To access their audio notes just tap on the word.

Applications

- Guided Reading Groups
- Reflection Activities
- Lesson Review Questions and Answers
- Provide additional information not found in the textbook for students to access and listen to along with the written text

Sample



Creator 

Technique 

Launch Line Shortcuts

Overview

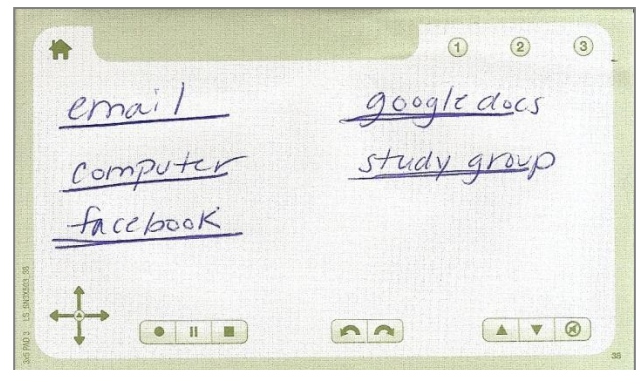
Livescribe Connect allows you to share your notes and audio through Email, Evernote®, Facebook, Google™ Docs and Sites, Microsoft® OneNote®, online using MyLivescribe or through a mobile device.

Rather than repeatedly drawing Launch Lines in your notebook each time you want to send a file, use a Sticky Note to write your most commonly used Launch Line commands and keep it in a handy location so all you have to do is tap.

Applications

- Create customized Launch Line shortcuts in Livescribe Desktop to send notes to yourself after class, share your notes with a study group, or email homework
- Program the Home Button and three Shortcut Buttons for quick commands by going to Main Menu > Shortcut Buttons

Sample



Creator



Technique



Brainstorming

Overview

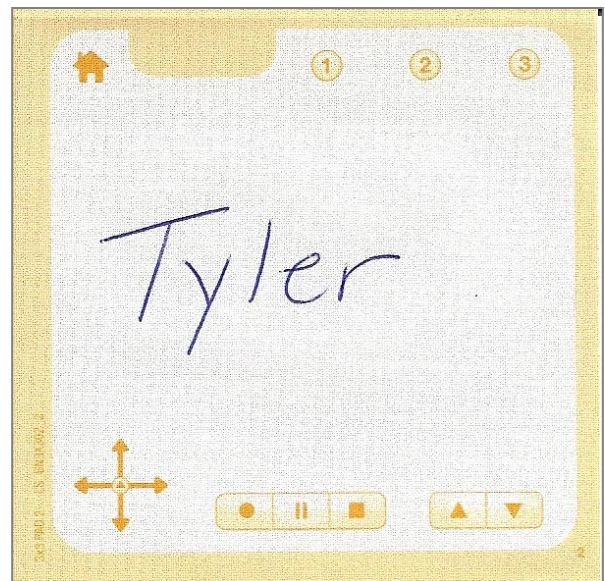
During a brainstorm activity give each student a smartpen and Sticky Note and follow these steps:

1. Tap on the Record button.
2. Write your name and/or a keyword idea on the Sticky Note.
3. Brainstorm aloud all of your ideas related to the topic.
4. Tap on the Stop button.

Applications

- **KWL Charts**
- **Carousel Brainstorm** – Place chart paper with different topics around the room and give students a certain amount of time at each poster to brainstorm on a Sticky Note and stick it to that chart before moving on to the next one until they circle the entire room

Sample



Creator



Technique



Creator Index

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